



IFW DAC

**OBLON**  
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**NEUSTADT**  
**P.C.**

ATTORNEYS AT LAW

Docket No.: 209650US0DIV

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

RE: Application Serial No.: 09/884,948

Applicants: Keiichi YOKOYAMA, et al.

Filing Date: June 21, 2001

For: PROCESS FOR PRODUCING MICROBIAL  
TRANSGLUTAMINASE

Group Art Unit: 1653

Examiner: Bugaisky, G. E.

Allowed: April 7, 2004

SIR:

Attached hereto for filing are the following papers:

**Petition Under 37 C.F.R. §1.181(a)(3)**

**Copy of Date-stamped Filing Receipt dated June 21, 2001**

**Copy of Information Disclosure Statement filed June 21, 2001**

**Copy of Form PTO 1449 filed June 21, 2001**

Our check in the amount of **\$0.00** is attached covering any required fees. In the event any variance exists between the amount enclosed and the Patent Office charges for filing the above-noted documents, including any fees required under 37 C.F.R. 1.136 for any necessary Extension of Time to make the filing of the attached documents timely, please charge or credit the difference to our Deposit Account No. 15-0030. Further, if these papers are not considered timely filed, then a petition is hereby made under 37 C.F.R. 1.136 for the necessary extension of time. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

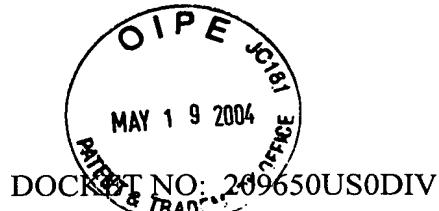
OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.  
Norman F. Oblon

Vincent K. Shier, Ph.D.  
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IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF

KEIICHI YOKOYAMA, ET AL.

: EXAMINER: BUGAISKY, G.E.

SERIAL NO: 09/884,948

: GROUP ART UNIT: 1653

FILED: JUNE 21, 2001

: ALLOWED: APRIL 7, 2004

FOR: PROCESS FOR PRODUCING MICROBIAL TRANSGLUTAMINASE:

PETITION UNDER 37 C.F.R. §1.181(a)(3)

COMMISSIONER FOR PATENTS  
Alexandria, VA 22313-1450

SIR:

Petitioners respectfully request the Office to invoke the supervising authority of the Commissioner and consider Petitioners' Comments on Statement of Reasons for Allowance, concurrently filed herewith, and also indicate that the references cited on the Information Disclosure Statement filed on June 21, 2001, have been considered. Petitioners respectfully request that the Examiner acknowledge consideration of same by providing Applicants with an initialed copy of Form PTO-1449 enclosed herewith listing these references. Petitioners submit herewith copies of the Information Disclosure Statements as filed on June 21, 2001, along with a copy of the date-stamped filing receipt evidencing the timely filing thereof.

Petitioners submit that the references listed on the enclosed Form PTO-1449 were mentioned in the parent application U.S. 09/448,310, filed on November 24, 1999. Therefore, copies of the cited references may be obtained from the U.S. 09/448,310. In the event that the Examiner is unable to obtain these references, it is requested that the undersigned be contacted as soon as possible to avoid any further, unnecessary delay in examination.

For the reasons given above, this petition should be GRANTED.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.  
Norman F. Oblon



Vincent K. Shier, Ph.D.  
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NFO:VKS



Dept.: Chemical  
By: NFO/DJP/km

OSMM&N File No. 209650US0DIV  
Serial No. New U.S. APPLICATION  
In the matter of the Application of: Keiichi YOKOYAMA et al  
For: PROCESS FOR PRODUCING MICROBIAL TRANSGLUTAMINASE

The following has been received in the U.S. Patent Office on the date stamped hereon:

67 pp. Specification 25 Claims/Drawings 7 Sheets  
 and 2 pages Application Data Sheet  
 Combined Declaration, Petition & Power of Attorney 3 pages, Executed Copy

List of Inventor Names and Addresses  CPA  
 Utility Patent Application Transmittal  Priority Doc  
 Notice of Priority  Dep. Acct. Order Form  
 Check for \$710.00  
 Fee Transmittal Form  
 Assignment/PTO 1595 pages:  
 Letter to Official Draftsman  
 Letter Requesting Approval of Drawing Changes  
 Drawings sheets  Formal  
 Substitute Declaration, Petition & Power of Attorney, 3 pages, Executed Copy from parent application  
 Preliminary Amendment w/copy of Substitute Sequence Listing attached (Paper)  
 Information Disclosure Statement  PTO-1449  
  
 Search Report  Cited Pending Applications  
 Statement of Relevancy  
 IDS/Related/List of Related Cases  
 Restriction Response  
 Rule 132 Declaration  
 Request for Extension of Time  
 Notice of Appeal  
 Brief  
 Issue Fee Transmittal  
 White Advance Serial Number Card  
 Small Entity Status is Claimed  
 Marked-up copy



Due Date: JUNE 27, 2001

COPY



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Keiichi YOKOYAMA et al

SERIAL NO: NEW U.S. APPLICATION

FILED: HEREWITH

FOR: PROCESS FOR PRODUCING MICROBIAL TRANSGLUTAMINASE

## INFORMATION DISCLOSURE/RELATED CASE STATEMENT UNDER 37 CFR 1.97

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

Applicant(s) wish to disclose the following information.

## REFERENCES

- The applicant(s) wish to make of record the references listed on the attached form PTO-1449 were mentioned in parent application 09/448,310 filed November 24, 1999.
- A check is attached in the amount required under 37 CFR §1.17(p).

## RELATED CASES

- Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- A check is attached in the amount required under 37 CFR §1.17(p).

## CERTIFICATION

- Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

## DEPOSIT ACCOUNT

- Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBON SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

COPY

\_\_\_\_\_  
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(OSMMN 10/98)

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 209650US0DIV		SERIAL NO. New Application	
LIST OF REFERENCES CITED BY APPLICANT <i>MAY 19 2004</i>		APPLICANT		Keiichi YOKOYAMA et al.			
		FILING DATE Herewith		GROUP			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	TRADE DOCUMENT NUMBER	DATE	NAME		CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
AA	5,736,356	04/07/98	Sano et al.				
AB	5,156,956	10/20/92	Motoki et al.				
AC	5,514,573	05/07/96	Yasueda et al.				
AD	5,731,183	03/24/98	Kobayashi et al.				
AE	6,013,498	1/2000	Yokoyama et al				
AF							
AG							
AH							
AI							
AJ							
AK							
AL							
AM							
AN							
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY		TRANSLATION YES	NO	
AO	0 481 504	04/22/92	EUROPE				
AP	64-27471	01/30/89	JAPAN (English Abstract provided)			X	
AQ	1-50382	10/30/89	JAPAN (English Abstract provided)			X	
AR	5-199883	08/10/93	JAPAN (English Abstract provided)			X	
AS	6-30771	02/08/94	JAPAN (English Abstract provided)			X	
AT	WO 96/22366	07/25/96	WIPO				
AU	WO 96/06931	03/07/96	WIPO				
AV							
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
AW	Shino Takehana et al., "CHEMICAL SYNTHESIS OF THE GENE FOR MICROBIAL TRANSGLUTAMINASE FROM <i>STREPTOVERTICILLIUM</i> AND ITS EXPRESSION IN <i>ESCHERICHIA COLI</i> ", Biosci. Biotech. Biochem., Vol. 58, No. 1, pp. 88-92, 1994.						
AX	Misako KAWAI et al., "HIGH-LEVEL EXPRESSION OF THE CHEMICALLY SYNTHESIZED GENE FOR MICROBIAL TRANSGLUTAMINASE FROM <i>STREPTOVERTICILLIUM</i> IN <i>Escherichia coli</i> ", Biosci. Biotech. Biochem., Vol. 61, No. 5, pp. 830-835, May 1997.						
AY	Arie Ben-Bassat et al., "PROCESSING OF THE INITIATION METHIONINE FROM PROTEINS: PROPERTIES OF THE <i>ESCHERICHIA COLI</i> METHIONINE AMINOPEPTIDASE AND ITS GENE STRUCTURE", Journal of Bacteriology, Vol. 169, No. 2, pp. 751-757, 1987.						
AZ	Roohaida Othman et al., "HUMAN NON-PANCREATIC (GROUP II) SECRETED PHOSPHOLIPASE A <sub>2</sub> EXPRESSED FROM A SYNTHETIC GENE IN <i>ESCHERICHIA COLI</i> : CHARACTERISATION OF N-TERMINAL MUTANTS", Biochem. Biophys. Acta, Vol. 1303, No. 2, pp. 92-102, 1996.						
Examiner				Date Considered			
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO 449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.  
209650US0DIVSERIAL NO.  
New Application

MAY 19 2004

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Keiichi YOKOYAMA et al.

FILING DATE

Herewith

GROUP

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

AAA	Koji Ikura et al., "AMINO ACID SEQUENCE OF GUINEA PIG LIVER TRANSGLUTAMINASE FORM ITS cDNA SEQUENCE", Biochemistry, Vol 27, pp. 2898-2905, 1988.
AAB	M. A. Phillips et al., "PRIMARY STRUCTURE OF KERATINOCYTE TRANSGLUTAMINASE", Proc. Natl. Acad. Sci, USA, Vo. 87, pp. 9333-9337, December 1990.
AAC	Akitada Ichinose et al, "AMINO ACID SEQUENCE OF THE A SUBUNIT OF HUMAN FACTOR XIII", Biochemistry, Vol. 25, pp. 6900-6906, 1986.
AAD	A. Ben-Bassat et al., "AMINO-TERMINAL PROCESSING OF PROTEINS", Nature, Vo. 326, p. 315, March 19, 1987.
AAE	
AAF	
AAG	
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AAL	
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AAN	
AAO	
AAP	
AAQ	

Examiner

Date Considered

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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